



OGMCOAL DNR <ogmcoal@utah.gov>

Monitoring Report South Fork of Quitchupah

2 messages

Vicky Miller <vmiller@bowieresources.com>

Mon, Jun 2, 2014 at 11:36 AM

To: "Steve Christensen (stevechristensen@utah.gov)" <stevechristensen@utah.gov>, "Amanda Daniels (amandadaniels@utah.gov)" <amandadaniels@utah.gov>, James Owen <jamesowen@utah.gov>, "Hamilton, Rob -FS (rhamilton@fs.fed.us)" <rhamilton@fs.fed.us>
Cc: John Byars <jbyars@bowieresources.com>, "OGMCOAL OGMCOAL (OGMCOAL@utah.gov)" <OGMCOAL@utah.gov>

We were able to access the South Fork of Quitchupah on May 19th. The length of the creek below the road to the confluence of the North and South Fork was surveyed. The approximate flow above the road was 192 gpm, in the deep canyon below monitoring point 006 C the flow was estimated at 40 gpm. On May 23 the repair of the cracks was observed to be holding with the uninterrupted flow being estimated at 150 +/- at the road crossing and below monitoring point 006C. On May 27, Joe Helfrich and mine personnel observed the flow in the South Fork to be uninterrupted from the road crossing to the confluence. The flow in the creek above the road was measured at approximately 300 gpm on May 29, similar flow was observed from above Spring 006A to the confluence of the South and North Forks of Quitchupah. Flow appears to fluctuate during the day, likely due to snow melt from higher elevations and the potential for diversion of water at the top of South Fork.

It rained on the 23rd, 25th, 29th and 30th. Photos 2839, 2759 and 2765 depict flow in creek below the location of crack repair. Photo 2822 is flow above the crack repair.

Attached is a drawing showing the location of mining as of June 1, 2014. Please contact me with questions. Thanks, Vicky

From: Vicky Miller

Sent: Tuesday, May 20, 2014 12:18 PM

To: 'Steve Christensen (stevechristensen@utah.gov)'; 'Amanda Daniels (amandadaniels@utah.gov)'; James Owen; 'Hamilton, Rob -FS (rhamilton@fs.fed.us)'

Cc: John Byars; 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov)'

Subject: FW: Monitoring Report South Fork of Quitchupah

We were able to access the South Fork of Quitchupah creek on May 7th, 15th and 16th. Unsuccessful attempts were made to access the creek on May 8th, 9th, 12th and 13th. We were pushed off the mountain by snow on the 7th, which began midday and continuing into the night, approximately 8 inches fell. About two inches fell in the next two days and 18 inches in the next four days. Flow was estimated between 83 and 110 gpm during the two week period. Two pictures have been included one showing the flow in the upper reaches and the other in the deep canyon of South Fork of Quitchupah creek.

We have discovered cracks in the deep canyon stream channel that have interrupted/diverted flow in the channel. We will be sealing the crack(s) as soon as we can get the grouting material delivered, we anticipate completing the repair this week using grout and/or native materials.

Attached is a drawing showing the location of mining as of May 18, 2014. Please contact me with questions and concerns. Thanks, Vicky

From: Vicky Miller

Sent: Monday, May 5, 2014 9:09 AM

To: 'Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>)' ; 'Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>)' ; James Owen; 'Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>)'

Cc: John Byars; 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)'

Subject: FW: Monitoring Report South Fork of Quitchupah

We accessed the South Fork of Quitchupah creek on April 22 and May 2. Attempts were made on 4/26/14 and 4/28/14, weather and muddy roads prevented access.

The creek was accessed thru Link Canyon on the 22nd and by the Accord Lake road on May 2nd. The flow on the 22nd was approximately 76 gpm and on the 2nd was approximately 60 gpm. Parts of the channel in the upper part of the deep canyon were still snow/ice covered on May 2nd (see photo). We were able to observe water flowing at the road crossing and in two locations in the deep canyon. It snowed and rained four days during this two week period.

Attached is a drawing showing the location of mining.

Please contact me with questions or concerns. Thanks, Vicky

From: Vicky Miller

Sent: Tuesday, April 22, 2014 7:42 AM

To: 'Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); 'Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); James Owen; 'Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>)'

Cc: John Byars; 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)'

Subject: Monitoring Report South Fork of Quitchupah

We were able to access the South Fork of Quitchupah creek on April 10th and 16th. On the 10th we were able to observe water running above and below where the creek crosses the Forest Service road, however the portion of the creek in the deep canyon was obscured from view by snow and ice. The creek was accessed on the 10th by four wheeler and a couple of miles on foot.

On the 16th the creek was accessed by vehicle from Link Canyon, there was still no vehicle access from the road beginning at Accord Lake. We were able to observe water flowing at the road crossing and in three locations in the canyon, including the confluence of the north and south forks of the Quitchupah.

Flow on the 10th was estimated at 85 gpm, flow on the 16th was approximately 70 gpm at the road crossing. The water was laden with sediment on both days (see attached photo). We received approximately 1.5 inches of snow at the mine site during the two week period.

A drawing showing the location of mining is also attached. Please contact me with questions or concerns. Thanks, Vicky

From: Vicky Miller

Sent: Tuesday, April 8, 2014 11:06 AM

To: 'Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); 'Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); James Owen; 'Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>); John Byars

Cc: 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)'

Subject: FW: Monitoring Report South Fork of Quitchupah

We were unable to access the South Fork of Quitchupah in the past weeks because the roads were impassible due to snow drifts and mud. The mine site received approximately 4 inches of snow during the two week period. A drawing showing the location of mining is attached.

Please contact me with any questions or concerns.

Thanks, Vicky

From: Vicky Miller
Sent: Wednesday, March 26, 2014 8:28 AM
To: 'Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); 'Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); James Owen; 'Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>)'
Cc: John Byars; 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)'
Subject: Monitoring Report South Fork of Quitchupah

We were unable to access the South Fork of Quitchupah in the past weeks because the roads were impassible due to snow drifts and the thawing of snow drifts along the roads. The mine site received approximately 1 inch of snow during the two week period. A drawing showing the location of mining is attached.

Please contact me with any questions or concerns.

Thanks, Vicky

From: Vicky Miller
Sent: Monday, March 10, 2014 11:59 AM
To: 'Steve Christensen (stevechristensen@utah.gov<mailto:stevechristensen@utah.gov>); James Owen; 'Amanda Daniels (amandadaniels@utah.gov<mailto:amandadaniels@utah.gov>); 'Hamilton, Rob -FS (rhamilton@fs.fed.us<mailto:rhamilton@fs.fed.us>)'
Cc: John Byars; 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov<mailto:OGMCOAL@utah.gov>)'
Subject: Monitoring Report South Fork of Quitchupah

We were able to access the South Fork of Quitchupah on 3/3/14 and 3/5/15. The snow covering the channel was approximately 4.5 feet deep (see photo, looking downstream from where the stream crosses the road). We were unable to observe flow. The mine site received about 2.5" of snow during the past two weeks. In addition, a drawing showing the location of mining is attached.

Please contact me with questions or concerns.

Thanks, Vicky

5 attachments



IMGP2822.JPG
1845K

IMGP2839.JPG
1837K



IMGP2759.JPG
1815K



IMGP2765.JPG
1737K



Steve Christensen <stevechristensen@utah.gov>

Mon, Jun 2, 2014 at 3:54 PM

To: Vicky Miller <vmiller@bowieresources.com>

Cc: Joe Helfrich <JOEHELFRICH@utah.gov>, Amanda Daniels <amandadaniels@utah.gov>, Daron Haddock <daronhaddock@utah.gov>, OGMCOAL DNR <ogmcoal@utah.gov>

Hi Vicky,

Thanks for the update. It sounds like things are developing in a positive way.

I spoke with Joe following your inspection last week. He indicated that you were going to put together a small report with figures (depicting areas of channel cracks), field data obtained thus far and from where, MRP mitigation language etc. Is that your understanding? I think it would be a good idea to put something like that together in preparation for the OSM trip next week.

If so, we'd need it no later than Monday morning. We're traveling after lunch. It doesn't have to be some big thing, but rather a down and dirty synopsis of what happened, when, where, what's been done and where, what the MRP says, what the field data indicates, future monitoring/efforts etc.

Give me a call and we can discuss it further if you'd like.

Thanks,
Steve

[Quoted text hidden]

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